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I HEREBY CERTIFY that annexed hereto is a true copy of documents filed in connection with the following patent application:

Application No. S2003/0720

Date of Filing 1 October 2003

Applicant TECHNOLOGY INVESTMENTS LIMITED, an  
Irish Company of Gibbstown, Navan, County  
Meath, Ireland

Dated this 7 day of October 2004.

*CoRerly*

An officer authorised by the  
Controller of Patents, Designs and Trademarks.

## REQUEST FOR THE GRANT OF A PATENT

PATENTS ACT 1992

The Applicant(s) named herein hereby request(s)  
[ ] the grant of a patent under Part II of the Act  
[ X ] the grant of a short-term patent under Part III of the Act  
on the basis of the information furnished hereunder.

1. Applicant(s)

TECHNOLOGY INVESTMENTS LIMITED.  
Gibbstown  
Navan  
County Meath  
Ireland  
an Irish Company

2. Title of Invention

Dump truck

3. Declaration of Priority on basis of previously filed application(s) for same invention (Sections 25 & 26)

| <u>Previous Filing</u><br><u>Date</u> | <u>Country in or for</u><br><u>which filed</u> | <u>Filing No.</u> |
|---------------------------------------|--|-------------------|
|---------------------------------------|--|-------------------|

4. Identification of Inventor(s)

Name(s) and addresse(s) of person(s) believed  
by the Applicant(s) to be the inventor(s)  
Eanna Pronias Timoney  
an Irish Citizen of St Anthony's, Boyne Road, Navan, County Meath,  
Ireland  
Sean Timoney  
an Irish Citizen of 5 St Marys Road, Dublin 4, Ireland

5. Statement of right to be granted a patent (Section 17(2) (b))

The applicant derives the right to apply by virtue of a Deed of Assignment dated September 30, 2003

6. Items accompanying this Request

- (i) [ X ] prescribed filing fee (Euro 60.00)
- (ii) [ ] specification containing a description and claims  
[ X ] specification containing a description only  
[ X ] Drawings referred to in description or claims
- (iii) [ ] An abstract
- (iv) [ ] Copy of previous application(s) whose priority is claimed
- (v) [ ] Translation of previous application whose priority is claimed
- (vi) [ ] Authorisation of Agent (this may be given at 8 below if this Request is signed by the Applicant(s))

7. Divisional Application(s)

The following information is applicable to the present application which is made under Section 24 -

Earlier Application No.  
Filing Date:

8. Agent

The following is authorised to act as agent in all proceedings connected with the obtaining of a patent to which this request relates and in relation to any patent granted -

Name & Address

Cruickshank & Co. at their address recorded for the time being in the Register of Patent Agents is hereby appointed Agents and address for service, presently 1 Holles Street, Dublin 2.

9. Address for service (if different from that at 8)

Signed Cruickshank & Co.

By: - *C. Schutte*  
Agents for the Applicant

Executive.

Date October 01, 2003.

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**"Dump Truck"**

This invention relates to an articulated dump truck.

5 The invention is particularly related to articulated dump trucks of the type that include a tractor unit connected to an associated trailer unit by means of an articulating hitch. The hitch is free to rotate about longitudinal and vertical axes of the truck but is unable to rotate about the transverse axis. Steering is achieved by the forced articulation of the hitch about its vertical axis, creating an angle between the tractor and the trailer unit.

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It is an object of the present invention to provide an articulated truck of this type having an improved suspension system.

15 According to the invention there is provided an articulated dump truck including a tractor unit connected to an associated trailer unit by an articulating hitch connector, wherein the tractor unit is provided with an independent suspension system.

The invention will be more clearly understood by the following description of an embodiment thereof, given by way of example only, with reference to the accompanying drawings, in which:

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Fig. 1 is an elevational view of an articulated dump truck according to the invention; and

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Fig. 2 is a plan view of the articulated dump truck.

Referring to the drawings there is illustrated an articulated dump truck according to the invention indicated generally by the reference numeral 1. The articulated dump truck 1 includes a tractor unit 2 connected to an associated trailer unit 3 by an articulating hitch connector 4. The tractor unit 2 is provided with an independent suspension system for mounting wheels 5 on a body 6 of the tractor unit 2.

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The tractor unit 2 has a cab 7 within which are located controls for driving and

operation of the articulated dump truck 1.

5 The trailer unit 3 has a chassis 10 mounted on two pairs of wheels 11. A tipping wagon 12 is pivotally mounted on the chassis 10 on which it can be tipped as shown in broken outline in Fig. 1 by means of rams 14 at each side.

10 The articulating hitch connector 4 can rotate about longitudinal and vertical axes of the truck 1 but is unable to rotate about a transverse axis of the truck 1. Steering is achieved by the forced articulation of the hitch 4 about its vertical axis by means of steering rams 20 extending between the tractor unit 2 and trailer unit 3. These rams 20 are operable to pivot the tractor unit 2 and trailer unit 3 about a vertical pivot 22 of the articulating hitch 4.

15 It will be appreciated that any suitable independent suspension system may be employed for the tractor unit 2.

The invention is not limited to the embodiments hereinbefore described which may be varied in both construction and detail.

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